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1. Document ID: EP 875059 A1, WO 9726648 A1, AU 9713897 A

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File: DWPI

Nov 4, 1998

DERWENT-ACC-NO: 1997-385557

DERWENT-WEEK: 199848

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TITLE: Synthetic waveform generation method based on similar cycles sequence - synthesising directly by selecting synthetic starting value and selecting and outputting sequence of further values, with selection of each further value being based jointly on preceding value and on model of actual speech dynamics[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Claims](#) [KWMC](#) [Image](#)

2. Document ID: JP 09069858 A

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File: DWPI

Mar 11, 1997

DERWENT-ACC-NO: 1997-224025

DERWENT-WEEK: 199720

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TITLE: Signal formation device for binary data - includes filter impulse response waveform that integrates input data of low-pass filter circuit in process arithmetic cycle[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Claims](#) [KWMC](#) [Image](#)

3. Document ID: US 5400434 A

Entry 3 of 4

File: DWPI

Mar 21, 1995

DERWENT-ACC-NO: 1995-131068

DERWENT-WEEK: 199517

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TITLE: Synthetic voice generator producing glottal pulses - creates speech waveforms by measuring sound pressures of human spoken sound at successive sample points[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Claims](#) [KWMC](#) [Image](#)

4. Document ID: JP 08313389 A

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File: DWPI

Nov 29, 1996

DERWENT-ACC-NO: 1997-068401

DERWENT-WEEK: 199707

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TITLE: Artificial wind production experiment installation for multifloored buildings - sends control command to oscillation drive unit which gets actuated and rotated, in turn introducing synthetic waveform to number of fins to carryout both way oscillation of each fin

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KMC](#) | [Image](#)

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| ll and cycle | 4         |

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File: DWPI

Jul 27, 1999

DERWENT-ACC-NO: 1999-478000

DERWENT-WEEK: 199940

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TITLE: Parametric synthetic text-to-speech generating method for percussive musical instrument e.g. plucked violin

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Claims](#) [KWMC](#) [Image](#) 2. Document ID: JP 11184499 A

Entry 2 of 85

File: DWPI

Jul 9, 1999

DERWENT-ACC-NO: 1999-448502

DERWENT-WEEK: 199938

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TITLE: Phase adaptive processing method of noise signal for low bit rate audio encoding - involves searching amount of phase shifts so that error between synthetic waveforms obtained by synthesizing pitch pulse train and adaptive symbol vector becomes small

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Claims](#) [KWMC](#) [Image](#) 3. Document ID: JP 11133995 A

Entry 3 of 85

File: DWPI

May 21, 1999

DERWENT-ACC-NO: 1999-361879

DERWENT-WEEK: 199931

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TITLE: Acoustic transducer for karaoke apparatus - adjusts frequency of sine wave component extracted from input audio signal and synthesizes each sine wave component to generate synthetic waveform[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Claims](#) [KWMC](#) [Image](#) 4. Document ID: JP 05018923 A, JP 2911070 B2

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File: DWPI

Jan 26, 1993

DERWENT-ACC-NO: 1999-349929

DERWENT-WEEK: 199930

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TITLE: Degradation judging device for coating film coated on transformer, switch board - measures current passing through coating film, when inclination of applied voltage waveform output between varying points corresponding to D/A output is linear

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KMC](#) | [Image](#)

5. Document ID: JP 11126080 A

Entry 5 of 85

File: DWPI

May 11, 1999

DERWENT-ACC-NO: 1999-343073

DERWENT-WEEK: 199929

COPYRIGHT 1999 DERWENT INFORMATION LTD

TITLE: Waveform data processing method for use in musical sound generation apparatus - involves generating synthetic waveform data based on wave number of extracted specific band component

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KMC](#) | [Image](#)

6. Document ID: JP 11116940 A

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File: DWPI

Apr 27, 1999

DERWENT-ACC-NO: 1999-330088

DERWENT-WEEK: 199928

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TITLE: Wet friction material for clutch and brake wet friction connection apparatus - composed of waveform carbon fibres reinforced with organic synthetic fibers

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KMC](#) | [Image](#)

7. Document ID: JP 11072409 A

Entry 7 of 85

File: DWPI

Mar 16, 1999

DERWENT-ACC-NO: 1999-249282

DERWENT-WEEK: 199921

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TITLE: Pipeline leakage detection procedure - involves synthesising waveform from frequency bands, at temporary sound-source position, with higher signal correlation coefficient than that at microphones

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KMC](#) | [Image](#)

8. Document ID: JP 11059172 A

Entry 8 of 85

File: DWPI

Mar 2, 1999

DERWENT-ACC-NO: 1999-224890

DERWENT-WEEK: 199922

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TITLE: Weather strip for window panel in car - has transparent synthetic resin coating at chamfered terminal edge

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KMC](#) | [Image](#)

9. Document ID: JP 11054486 A

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File: DWPI

Feb 26, 1999

DERWENT-ACC-NO: 1999-220689

DERWENT-WEEK: 199919

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TITLE: Plasma processing apparatus for semiconductor device manufacture -  
judges termination of plasma treatment based on synthetic waveform having one  
of inverted positive and/or negative real number and imaginary number parts[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KMC](#) | [Image](#) 10. Document ID: JP 10319995 A

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File: DWPI

Dec 4, 1998

DERWENT-ACC-NO: 1999-086163

DERWENT-WEEK: 199908

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TITLE: Voice encoder in speech synthesiser for digital telephone - includes  
synthetic filter that synthesises audio signal based on drive signal, partial  
pitch period of input audio signal[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KMC](#) | [Image](#)[Generate Collection](#)

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File: DWPI

Nov 24, 1998

DERWENT-ACC-NO: 1999-066243

DERWENT-WEEK: 199906

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TITLE: Speech synthesis system - generates synthetic speech signal by superimposing several audio elemental waveforms, utilising system control program**[Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWMC | Image]** **12. Document ID: JP 10288609 A**

Entry 12 of 85

File: DWPI

Oct 27, 1998

DERWENT-ACC-NO: 1999-019190

DERWENT-WEEK: 199902

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TITLE: Ultrasonic internal flaw detection apparatus for axle shaft, welded construction material - has indicator in which synthetic wave form indicating flaw detection result of tested material is displayed

**[Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWMC | Image]** **13. Document ID: EP 920640 A1, US 5826819 A, WO 9900676 A1, AU 9881707 A**

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File: DWPI

Jun 9, 1999

DERWENT-ACC-NO: 1998-593638

DERWENT-WEEK: 199927

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TITLE: Aircraft launched bomb guidance system - has bomb retransmit shifted frequency of radar from plane, with plane receiving reflection of both waveforms from target and analysing and sending course correction to bomb

**[Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWMC | Image]** **14. Document ID: US 5821725 A**

Entry 14 of 85

File: DWPI

Oct 13, 1998

DERWENT-ACC-NO: 1998-567852

DERWENT-WEEK: 199848

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TITLE: Electric current compensation circuit for three-phase DC brushless motor - is triggered for each phase change so that synthetic current is fed to motor to generate output torque with reduced ripple

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KWMC](#) | [Image](#)

15. Document ID: JP 10222196 A

Entry 15 of 85

File: DWPI

Aug 21, 1998

DERWENT-ACC-NO: 1998-511167

DERWENT-WEEK: 199844

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TITLE: Waveform gain estimation method for audio encoding - involves calculating gain of audio signal using envelope data by amplitude calculation unit, after receiving linear predictive coding variable filtered out from synthetic filter

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KWMC](#) | [Image](#)

16. Document ID: US 5792209 A

Entry 16 of 85

File: DWPI

Aug 11, 1998

DERWENT-ACC-NO: 1998-455987

DERWENT-WEEK: 199844

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TITLE: Osteoporosis relief device - transmits low intensity, low frequency sinusoidal electromagnetic wave signal to osteoporotic bone of hips and spine

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KWMC](#) | [Image](#)

17. Document ID: AU 9860443 A, WO 9835339 A2

Entry 17 of 85

File: DWPI

Aug 26, 1998

DERWENT-ACC-NO: 1998-447457

DERWENT-WEEK: 199902

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TITLE: Method of performing computerised prosody modification on quasi-periodic signal, e.g. human speech - involves extracting waveforms from original signal and fine shifting them to exact location on synthetic time axis by re-sampling technique, then windowing, overlapping and summing fine-shifted waveforms together

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KWMC](#) | [Image](#)

18. Document ID: JP 10146699 A

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File: DWPI

Jun 2, 1998

DERWENT-ACC-NO: 1998-370311

DERWENT-WEEK: 199832

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TITLE: Quality judging apparatus of press stamping - evaluates process quality of press unit based on synthetic waveforms of variation of press load and amount of distortions

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[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KMC](#) | [Image](#)

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19. Document ID: JP 10143199 A

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File: DWPI

May 29, 1998

DERWENT-ACC-NO: 1998-367215

DERWENT-WEEK: 199832

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TITLE: Audio encoding method for speech-analysis synthesis system - involves performing quantization of remainder signal and deciding code, if discriminated area of each frame is silent area

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[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KMC](#) | [Image](#)

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20. Document ID: JP 10124065 A

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File: DWPI

May 15, 1998

DERWENT-ACC-NO: 1998-337918

DERWENT-WEEK: 199830

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TITLE: Tone waveform production method for electronic musical instrument - involves repeating differential waveform detection process to obtain synthetic wave and its frequency and amplitude information

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[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KMC](#) | [Image](#)

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Entry 21 of 85

File: DWPI

Jun 2, 1998

DERWENT-ACC-NO: 1998-332502

DERWENT-WEEK: 199829

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TITLE: Surface inspection method using laser ultrasound for aerospace industry  
- source laser transmits ultrasonic sound waves throughout surface which is  
also scanned with detector laser and displacement at scanning positions  
detected by detector**[Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWMC | Image]** **22. Document ID: JP 10080966 A**

Entry 22 of 85

File: DWPI

Mar 31, 1998

DERWENT-ACC-NO: 1998-254954

DERWENT-WEEK: 199823

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TITLE: Decorative corrugated paper for paper box - has liner which is pasted to  
paper layer side surface of the green sand core material**[Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWMC | Image]** **23. Document ID: JP 10014834 A**

Entry 23 of 85

File: DWPI

Jan 20, 1998

DERWENT-ACC-NO: 1998-138485

DERWENT-WEEK: 199813

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TITLE: Flexible synthetic resin cleaner hose - has several waveform shaped thin  
strip material joined between polymerisation parts and junction parts with  
resin cables by resin binding layer simultaneously while extruding**[Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWMC | Image]** **24. Document ID: JP 10010200 A**

Entry 24 of 85

File: DWPI

Jan 16, 1998

DERWENT-ACC-NO: 1998-134275

DERWENT-WEEK: 199813

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TITLE: Semiconductor test device e.g. for devices with interfaces such as CTT, GTL and full duplex - has setup unit to setup predetermined comparative voltage according to test waveform, based on comparison result

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KMC](#) | [Image](#)

25. Document ID: JP 10002184 A

Entry 25 of 85

File: DWPI

Jan 6, 1998

DERWENT-ACC-NO: 1998-115414

DERWENT-WEEK: 199811

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TITLE: Geological investigation method for front portion of tunnel hilt using radar - by obtaining synthetic wave from combined waveforms of several received waves, and using obtained wave to investigate front portion of hilt

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KMC](#) | [Image](#)

26. Document ID: JP 09325322 A

Entry 26 of 85

File: DWPI

Dec 16, 1997

DERWENT-ACC-NO: 1998-096848

DERWENT-WEEK: 199809

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TITLE: Liquid crystal apparatus using various liquid crystals e.g. nematic liquid crystal, smectic liquid crystal, polymer dispersed liquid crystal, ferroelectric liquid crystal - has variation unit to vary synthetic voltage and transmittance characteristics of liquid crystal periodically

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KMC](#) | [Image](#)

27. Document ID: EP 912975 A1, WO 9800835 A1, SE 9602624 A, NO 9806190 A, SE 509919

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Entry 27 of 85

File: DWPI

May 6, 1999

DERWENT-ACC-NO: 1998-087196

DERWENT-WEEK: 199922

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TITLE: Synthesising speech using concatenation and particularly synthesising voiceless consonants - by palindromically copying suitably selected parts of waveform of recorded human speech to form synthesised waveform for unvoiced consonant using concatenation

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KMC](#) | [Image](#)

28. Document ID: BE 1010336 A3, EP 813184 A1

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File: DWPI

Jun 2, 1998

DERWENT-ACC-NO: 1998-044093

DERWENT-WEEK: 199827

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TITLE: Audio signal e.g. vocal sound synthesis for synthetic speech production - using elementary waveforms which are infinite periodic signals, multiplied by weighting window to keep their length finite and which carry same spectral envelope as original audio signals

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KWMC](#) | [Image](#)

29. Document ID: JP 09253755 A

Entry 29 of 85

File: DWPI

Sep 30, 1997

DERWENT-ACC-NO: 1997-531047

DERWENT-WEEK: 199749

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TITLE: Roll shaping method of metallic tie plate for steel deck construction - involves pushing end of valley horizontal strip of metallic tie plate towards inclined web strip using flange portation, thereby forming stiffening rib with curves near bend of web strip

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KWMC](#) | [Image](#)

30. Document ID: JP 09251476 A

Entry 30 of 85

File: DWPI

Sep 22, 1997

DERWENT-ACC-NO: 1997-523501

DERWENT-WEEK: 199748

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TITLE: Simulation waveform verification system for monitoring operation of digital circuits - has synthetic process part which synthesis image data and enhances waveform chosen for simulation such that synthetic display of entire image and part image is possible on one screen

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KWMC](#) | [Image](#)

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File: DWPI

Jun 2, 1998

DERWENT-ACC-NO: 1998-332502

DERWENT-WEEK: 199829

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TITLE: Surface inspection method using laser ultrasound for aerospace industry  
- source laser transmits ultrasonic sound waves throughout surface which is  
also scanned with detector laser and displacement at scanning positions  
detected by detector[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Claims](#) [KWMC](#) [Image](#) 22. Document ID: JP 10080966 A

Entry 22 of 85

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Mar 31, 1998

DERWENT-ACC-NO: 1998-254954

DERWENT-WEEK: 199823

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TITLE: Decorative corrugated paper for paper box - has liner which is pasted to  
paper layer side surface of the green sand core material[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Claims](#) [KWMC](#) [Image](#) 23. Document ID: JP 10014834 A

Entry 23 of 85

File: DWPI

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DERWENT-ACC-NO: 1998-138485

DERWENT-WEEK: 199813

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strip material joined between polymerisation parts and junction parts with  
resin cables by resin binding layer simultaneously while extruding[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Claims](#) [KWMC](#) [Image](#) 24. Document ID: JP 10010200 A

Entry 24 of 85

File: DWPI

Jan 16, 1998

DERWENT-ACC-NO: 1998-134275

DERWENT-WEEK: 199813

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TITLE: Semiconductor test device e.g. for devices with interfaces such as CTT, GTL and full duplex - has setup unit to setup predetermined comparative voltage according to test waveform, based on comparison result

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KWMC](#) | [Image](#)

25. Document ID: JP 10002184 A

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DERWENT-WEEK: 199811

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26. Document ID: JP 09325322 A

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File: DWPI

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DERWENT-ACC-NO: 1998-096848

DERWENT-WEEK: 199809

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27. Document ID: EP 912975 A1, WO 9800835 A1, SE 9602624 A, NO 9806190 A, SE 509919

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28. Document ID: BE 1010336 A3, EP 813184 A1

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Jun 2, 1998

DERWENT-ACC-NO: 1998-044093

DERWENT-WEEK: 199827

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 29. Document ID: JP 09253755 A

Entry 29 of 85

File: DWPI

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DERWENT-ACC-NO: 1997-531047

DERWENT-WEEK: 199749

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TITLE: Roll shaping method of metallic tie plate for steel deck construction - involves pushing end of valley horizontal strip of metallic tie plate towards inclined web strip using flange portation, thereby forming stiffening rib with curves near bend of web strip

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 30. Document ID: JP 09251476 A

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DERWENT-ACC-NO: 1997-523501

DERWENT-WEEK: 199748

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1. Document ID: US 5864812 A, JP 09062295 A, CN 1131785 A

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DERWENT-WEEK: 199911

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TITLE: Vocal bit message production method for telephone inquiry surface, voice guidance system using PC - involves forming conversion parameter for forming synthetic waveform corresponding to voice recorded through voice channel and storing formed parameter and waveform separately in memories

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KWMC](#) | [Image](#)

2. Document ID: JP 08280682 A

Entry 2 of 4

File: DWPI

Oct 29, 1996

DERWENT-ACC-NO: 1997-015106

DERWENT-WEEK: 199702

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TITLE: Ultrasonic diagnostic device for medical treatment - has waveform locus control unit which controls waveform locus of waveforms of ultrasonic oscillation elements according to area range input by input unit

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KWMC](#) | [Image](#)

3. Document ID: US 5864812 A, JP 08160991 A, CN 1131785 A

Entry 3 of 4

File: DWPI

Jan 26, 1999

DERWENT-ACC-NO: 1996-346215

DERWENT-WEEK: 199911

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TITLE: Audio creation method for audio synthesiser used in e.g. telephone reference service - by cutting length of wave through audio window which converges wave peak point near to zero point of predetermined part of wave

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4. Document ID: JP 06099513 A, US 5644832 A, JP 94102368 B2, US 5415440 A

Entry 4 of 4

File: DWPI

Apr 12, 1994

DERWENT-ACC-NO: 1994-156292

DERWENT-WEEK: 199733

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TITLE: Corrugated helical pipe with joint - includes outer surface formed in spiral uneven waveform shape

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